

# OTM-062: Monitoring revegetation

## Monitoring revegetation

### Challenge

	Challenge ID	OTM:062				
1	Title	Monitoring revegetation				
2	Theme ID	ON 4.2: Environmental monitoring - Continuous monitoring of changes throughout the lifecycle				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	BP, Statoil, PetroSA, Eni, Tullow, Petronas, Chevron				
General description		Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	The re-vegetation of a development site is a good indicator of ecosystem recovery. As it occurs over long time periods, monitoring this remotely is an advantage to us.				
6	Thematic information requirements	3. Obtain detailed vegetation information,				
7	Nature of the challenge - What effect does this challenge have on operations?	It is important, for both our reputation and obligation to the environment, that we do all we can to ensure that the impact our activity has on the environment is minimised.				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Out of date or poorly detailed basemaps are used.				
9	What kind of solution do you envisage could address this challenge?	Very high to medium resolution EO data to monitor changes of the environment.				
10	What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?	EO could be a useful complimentary technology				
Challenge classification						
11	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact quantification [1]	0	0	1	2	4
12	Climate classification	NOT CLIMATE SPECIFIC				
13	Geographic context/restrictions	Generic onshore (Unspecified)				
14	Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15	Seasonal variations	Any season				
16	Impact Area	Operational cost reduction				
17	Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements						
18	Update frequency					
19	Data Currently used					
20	Spatial resolution					
21	Thematic accuracy					
22	Example formats					
23	Timeliness	Within six months				
24	Geographic Extent	District area				
25	Existing standards					

[1] Impact quantification scores: 4 – Critical/ enabling; 3 – Significant/ competitive advantage; 2 – Important but non-essential; 1 – Nice to have; 0 – No impact, need satisfied with existing technology

## Relevant products

Content by label

There is no content with the specified labels